

## REMARKS

Claims 1-4 are now pending in this application. Claims 1 and 3 are the independent claims. Claims 1, 2 and 4 have been amended. Favorable reconsideration is respectfully requested.

In the Office Action, Claims 1-6 were rejected under 35 U.S.C. 102 as being anticipated by U.S. Patent 6,278,887 (Son et al.).

Applicant respectfully submits the following comments.

Claim 1 as amended is directed to a battery saving method of controlling the display of a portable telephone. The method includes the steps of checking whether a user activates a SEND key for a call origination to establish a call, deactivating the power supplied to the display when a call is set up according to the activation of the SEND key, and activating the power supplied to the display when the call is terminated.

Son et al., as understood by Applicant, relates to a system for power conservation in a wireless communication handset. A timer is set when the display of the handset is turned on. If a keypad entry is made during the timer period, the first timer is reset. Otherwise, if a keypad entry is not made during the timer period, the display is shut off.

Claim 1 now recites deactivating the power supplied to a display when a call is set up according to activation of a SEND key. In contrast to the conventional time-out display shut down of Son et al. (simile features for example are well known the personal computer field), the present invention as defined in Claim 1 is based upon a specific recognition in the field of portable telephones. In particular, when a user presses the SEND key for a call

origination, the user holds the telephone to his/her ear waiting for the call connection and does not need to view the display (see page 8, lines 4-9, of the specification).

Nothing found in Son et al. teaches this step recited in Claim 1 nor does Son et al. even recognizes the advantages of this step. The conventional timer-out feature of Son et al. is also not believed to suggest this feature (see col. 4, lines 58-60). In Son et. al. the lack of **any** keystroke during the timer period will shut off the display. Nothing found in Son et al. teaches or suggest looking for a particular keystroke during the call initiation process to shut off the display.

Son et. al. teaches a completely different approach of using the general timer-out procedure during the call initiation process (see col. 4, lines 63-67).

At least based upon this recited feature, Claim 1 is believed patentable over the cited art.

Claim 3 recites a feature, as discussed above, similar to Claim 1 and is believed patentable for at least the same reasons.


The other rejected claims in this application are each dependent from independent Claims 1 or 3 discussed above and are therefore believed patentable for the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, Applicant respectfully requests favorable reconsideration and early passage to issue of the present application.

Should the Examiner deem that there are any issues which may be best resolved by telephone, please contact Applicant's undersigned representative at the number listed below.

Date: 10/10/02

Respectfully submitted,

  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Youn-Main Lee

Application No.: 09/621,384

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For: Method For Saving Battery by Controlling Display in Portable Telephone

Assistant Commissioner for Patents  
Washington, D.C. 20231

Examiner: N. Mehrpour

Group Art Unit: 2685

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**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

1. (Amended) A battery saving method of controlling the display of a portable telephone, comprising the steps of:

checking whether a user activates a SEND key for a call origination to establish a call ~~or an ANSWER key in response to an incoming call;~~

deactivating the power supplied to the display when a call is set up according to the activation of the SEND key ~~or the answering key;~~ and,

activating the power supplied to the display when the call is terminated.

2. (Amended) The battery saving method as claimed in Claim 1, further comprising the step of deactivating the power supplied to the display after the expiration of a predetermined time period if the SEND key ~~or the ANSWER key is activated.~~

4. (Amended) The method as claimed in Claim 13, further comprising the step of deactivating the power supplied to the display after the expiration of a predetermined time period if the request to establish the call connection is made.